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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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SHEET 1 of 4

COMPLETE IF KNOWN

Application Number	10/027,295
Confirmation Number	1812
Filing Date	December 20, 2001
First Named Inventor	Gretchen Louise Under
Group Art Unit	3761
Examiner Name	
Attorney Docket Number	6823D

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U. S. PATENT DOCUMENTS

EXAMINER INITIALS*	Cite No. ¹	DOCUMENT NUMBER Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	US-2,804,424	08/27/1957	Stirn et al.	
	2	US-3,464,413	09/02/1969	Goldfarb et al.	
	3	US-3,490,454	01/20/1970	Goldfarb et al.	
	4	US-3,860,003	01/14/1975	Buell	
	5	US-3,902,493	09/02/1975	Baier et al.	
	6	US-3,920,015	11/18/1975	Wortham	
	7	US-3,935,862	02/03/1976	Kraskin	
	8	US-4,034,077	07/05/1977	Hill et al.	
	9	US-4,112,167	09/05/1978	Dake et al.	
	10	US-4,138,416	02/06/1979	Koresawa et al.	
	11	US-4,324,247	04/13/1982	Aziz	
	12	US-4,513,051	04/23/1985	Lavash	
	13	US-4,657,537	04/14/1987	Zimmerer	
	14	US-4,685,909	08/11/1987	Berg et al.	

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FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS*	Cite No. ¹	FOREIGN PATENT DOCUMENT Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ⁶
	15	EP 0 297 828 A1	01/04/1989	Charkoudian et al.		
	16	EP 0 631 768 A1	01/04/1995	Plischke et al.		
	17	EP 0 692 263 A2	01/17/1996	Lichstein		
	18	EP 0 776 654 A1	06/04/1997	Baines et al.		
	19	FR 2,714,603 A1	07/07/1995	Lagarde et al.		X
	20	GB 2 033 751 A	05/29/1980	Dunford et al.		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

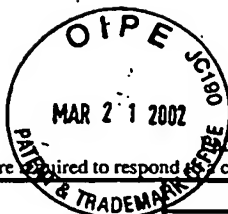
EXAMINER INITIALS*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ⁶
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SHEET 2 of 4

Application Number	10/027,295
Confirmation Number	1812
Filing Date	December 20, 2001
First Named Inventor	Gretchen Louise Elder
Group Art Unit	3761
Examiner Name	
Attorney Docket Number	6823D

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U. S. PATENT DOCUMENTS

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		Number - Kind Code ² (if known)			
[Signature]	21	US-4,690,821	09/01/1987	Smith et al.	TECHNOLOGY CENTER [Large X]
	22	US-4,704,112	11/03/1987	Suzuki et al.	
	23	US-4,842,593	06/27/1989	Jordan et al.	
	24	US-4,882,204	11/21/1989	Tenenbaum	
	25	US-4,900,317	02/13/1990	Buell	
	26	US-4,902,553	02/20/1990	Hwang et al.	
	27	US-4,904,524	02/27/1990	Yoh	
	28	US-4,911,932	03/27/1990	Clum et al.	
	29	US-4,929,498	05/29/1990	Suskind et al.	
	30	US-4,934,535	06/19/1990	Muckenfuhs et al.	
	31	US-4,979,300	12/25/1990	Blank et al.	
	32	US-4,990,144	02/05/1991	Blott	
	33	US-4,996,238	02/26/1991	Matravers	

FOREIGN PATENT DOCUMENTS

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[Signature]	34	JP 04-182,423	06/30/1992	Kasahara et al.	[X]	

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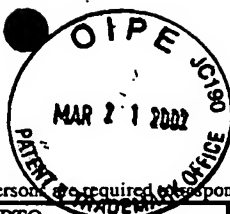
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	35	US-5,034,444	07/23/1991	Yun et al.	
	36	US-5,043,155	08/27/1991	Puchalski et al.	
	37	US-5,091,193	02/25/1992	Enjolras et al.	
	38	US-5,102,597	04/07/1992	Roe et al.	
	39	US-5,194,261	03/16/1993	Pichierri	
	40	US-5,362,488	11/08/1994	Sibley et al.	
	41	US-5,370,132 A	12/06/1994	Weber et al.	
	42	US-5,376,655	12/27/1994	Imaki et al.	
	43	US-5,409,903 A	04/25/1995	Polak et al.	
	44	US-5,436,007	07/25/1995	Hartung et al.	
	45	US-5,444,096	08/22/1995	McCrea et al.	
	46	US-5,509,915 A	04/23/1996	Hanson et al.	
	47	US-5,525,345	06/11/1996	Wamer et al.	

FOREIGN PATENT DOCUMENTS

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	48	US-5,525,346 A	06/11/1996	Hartung et al.	
	49	US-5,558,655 A	09/24/1996	Jezzi et al.	
	50	US-5,607,760 A	03/04/1997	Roe	
	51	US-5,609,587 A	03/11/1997	Roe	
	52	US-5,618,522	04/08/1997	Kaletka et al.	
	53	US-5,618,529	04/08/1997	Pichierri	
	54	US-5,643,588	07/01/1997	Roe et al.	
	55	US-5,833,967	11/10/1998	Ramin	

FOREIGN PATENT DOCUMENTS

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Sheet 1 of 1

FORM PTO-1449

LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. 6823	SERIAL NO. 08/926,592
	APPLICANT G. L. ELDER et al.	
	FILING DATE September 10, 1997	GROUP 1931

U. S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	RECEIVED FILING DATE IF APPROPRIATE
	4,558,560	12/3/85	Buckingham	424	145	APR 10 2002

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
	DE 4136540	5/14/92	Germany	A61F	13/15	X
	GB 2,311,727	10/8/97	Great Britain	A61F	13/15	
	EPO 0564307	10/6/93	Europe	A61L	15/16	
	WO 96/16682	6/6/96	PCT	A61L	15/34	
	WO 98/24390	6/11/98	PCT	A61F	13/15	

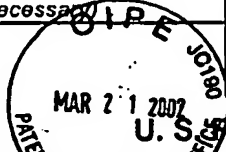
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LIST OF DOCUMENTS CITED BY APPLICANTS (Use several sheets if necessary)	ATTY. DOCKET NO. 6823	SERIAL NO. 08/926,532
	APPLICANT Elder et al.	
	FILING DATE 9/10/97	GROUP



PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	01	3,489,148	01/13/70	Duncan et al.	128	284	
	02	3,567,820	03/02/71	Sperti	424	79	
	03	3,585,998	06/22/71	Hayford et al.	128	284	
	04	3,875,942	04/08/75	Roberts et al.	128	287	
	05	3,896,807	07/29/75	Buchalter	128	260	
	06	4,263,363	4/21/81	Buck et al.	428	284	
	07	4,569,343	02/11/86	Kimura et al.	128	155	
	08	4,623,339	11/18/86	Ciraldo et al.	604	359	
	09	4,666,765	05/19/87	Caldwell et al.	428	266	
	10	4,753,643	06/28/88	Kassai	604	359	
	11	4,790,836	12/13/88	Brecher	604	359	
	12	4,959,059	09/25/90	Eilender et al.	604	358	
	13	5,264,460	11/23/93	Jakobson et al.	514	786	
	14	5,321,098	06/14/94	Lai et al.	525	425	
	15	5,415,649	5/16/95	Watanabe et al.	604	385.2	
	16	5,635,191	06/03/97	Roe et al.	424	402	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO	
	17	2,019,557	06/21/90	Canada	A61F	13/46		
	18	4,136,540 A1	11/06/91	Germany	A61F	13/15	X	
	19	HEI 2(1990)31756	02/01/90	Japan	A61F	13/15	X	
	20	61/028078	02/07/86	Japan	A41B	13/02		X
	21	05/285170	04/08/92	Japan	A61F	13/15		X
	22	Kokai 8-52175	02/27/96	Japan	A61F	13/15	X	
	23	WO 94/09757	05/11/94	PCT	A61K	7/48		

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<p style="text-align: center;">Substitute for form 1449A/PTO</p> <h2 style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center;">(use as many sheets as necessary)</p> <p style="text-align: center;">SHEET 1 of 1</p>	<p style="text-align: center;">COMPLETE IF KNOWN</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Application Number</td> <td>10/027,295</td> </tr> <tr> <td>Confirmation Number</td> <td>1812</td> </tr> <tr> <td>Filing Date</td> <td>December 20, 2001</td> </tr> <tr> <td>First Named Inventor</td> <td>Gretchen Louise Elder</td> </tr> <tr> <td>Group Art Unit</td> <td>3761</td> </tr> <tr> <td>Examiner Name</td> <td></td> </tr> <tr> <td>Attorney Docket Number</td> <td>6823D</td> </tr> </table>	Application Number	10/027,295	Confirmation Number	1812	Filing Date	December 20, 2001	First Named Inventor	Gretchen Louise Elder	Group Art Unit	3761	Examiner Name		Attorney Docket Number	6823D
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	2	US-6,204,208	B1	03/20/2001	KRZYSIK ET AL.	
	3	US-6,217,890	B1	04/17/2001	PAUL ET AL.	
	4	US-6,287,581	B1	09/11/2001	KRZYSIK ET AL.	
	5	US-6,296,862	B1	10/02/2001	PAUL ET AL.	
	6	US-6,316,013	B1	11/13/2001	PAUL ET AL.	

FOREIGN PATENT DOCUMENTS

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		Country Code ⁴	Number ⁴	Kind Code ⁵ (if known)				
[Signature]	7	WO	01/00156	A1	01/04/2001	TYRRELL ET AL.	[X]	

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